Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Thursday 17 Dec 2020 until 23:59 on Friday 18 Dec 2020

Forecast Issued on Wednesday 16 Dec 2020 at 16:20

Confidence: High for sunshine and showers by day Thursday, then a series of rain bands interspersed with showers crossing from the west, however confidence lowering through the forecast in the timings and intensity of the worst of the conditions.

Headline for Thursday 17 Dec 2020: Showers by day. Windy at height with severe gales during the evening as rain develops.

Mountain weather hazards on Thursday 17 Dec 2020

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales Medium Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Low Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Heavy rain showers (night)	Light rain showers (night)	Heavy rain showers (night)	Light rain showers	Cloudy	Sunny intervals	Cloudy	Heavy Rain
Precipitation probability							
40%	30%	40%	30%	20%	10%	20%	90%

Forecast for Thursday 17 Dec 2020

Weather: Clear then sunny spells mixed with quite frequent showers through to late morning, with some turning heavy, particularly in the west bringing the risk of hail and thunder, also some wintry across highest peaks. Showers dwindling after late morning, most staying dry with increasing sunny spells for the afternoon. Rain spreading from the west during the evening.

Chance of cloud free mountain/hill tops above 800m: Initially in west 40% and in east 50% with bases generally 800-100m lowering 450-650m in showers, becoming during the afternoon 70% and 85% respectively as showers decay, finally lowering 10-20% by late evening as rain spreads from the west.

Visibility: Good or very good sporadically lowering moderate or poor in showers, then more generally in periods of rain late evening.

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Mountain Weather Forecast

Forecast for Thursday 17 Dec 2020

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	33/40 SW	32/39 SW	36/44 SW	31/39 SW	31/39 SW	35/43 S	44/54 S	49/61 S	47/58 S
600	29/37 SW	27/37 SW	28/37 SW	26/35 SW	27/36 SW	28/37 S	33/46 S	36/50 S	35/48 S
300	11/28 SW	10/28 SW	11/30 SW	10/27 SW	11/28 SW	11/29 S	11/34 S	12/37 S	12/35 S
Valley	11/27 SW	9/25 SW	11/28 SW	9/24 SW	10/25 SW	10/27 S	11/31 S	12/36 S	14/34 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	3/-5	2/-6	2/-6	2/-6	2/-5	3/-5	4/-4	4/-4	5/-3
600	4/-2	4/-3	4/-3	4/-2	4/-2	5/-1	5/-1	5/-1	6/0
300	6/3	6/3	6/3	6/3	7/4	7/4	7/4	7/4	8/5
Valley	8/6	8/6	8/5	8/6	9/6	9/6	9/7	9/7	10/7
Freezing Level*	1300m	1100m	1200m	1100m	1100m	1400m	1600m	2000m	2100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Windy at height with significant wind chill. Risk of thunderstorms at first in west. Best of conditions during afternoon. Hill fog and summit gales by mid-evening.

Forecast for Friday 18 Dec 2020

Weather: Quite unsettled with showers or longer periods of rain. Best chance of drier spells during the morning with perhaps some limited brightness, with more persistent and heaviest rain expected between mid-afternoon and mid-evening, particularly in the west.

Maximum wind: South mean 40-50mph with gusts reaching 65-70mph across most exposed ridges and summits.

Chance of cloud free mountain/hill tops above 800m: 15% during the morning, then virtually nil from the afternoon as bases become quite extensive from 450-600m

Visibility: Moderate or good, occasionally poor or very poor.

Temperature: **Valleys:** Plus 5 Celsius increasing 12 Celsius during the afternoon
At 800m: Plus 5-7 Celsius
Freezing level: Above all summits

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Wednesday 16 December. Location: Dollywaggon Pike summit at 11:00. A wet and wild day in the fells with gale-force southerly winds and heavy rain at times. As was reported yesterday, the fells are basically free of snow and ice apart from small isolated patches on steep north and east-facing aspects above around 900m. No snow or ice was encountered or seen today at all. However, with all of the recent rain, the rivers are high and paths are very wet and slippery. The temperature is forecast to get colder towards the weekend with the freezing level is predicted to be at or around the summit level. It is therefore likely that we will see wintery weather returning with snow and ice in the higher fells. Full winter clothing including waterproofs, warm layers as well as hat & gloves, and equipment including mountain boots, map and compass and the ability to use them in poor visibility are all essential for anyone venturing out onto the fells. Temperature: plus 3.5 C, Maximum wind speed 45.8 mph, Wind chill: minus 2.6 C, Average wind speed: 28.5 mph

Issued at: 1620 on Wed 16 Dec 2020

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